

### **REMARKS**

This Amendment, submitted in response to the non-final Office Action dated June 9, 2005, is believed to be fully responsive to the points of rejection raised therein. Accordingly, entry of the Amendment and favorable reconsideration on the merits is respectfully requested.

The specification is amended above to correct paragraph 29 on page 8. Support for the amendment can be found, for example, in FIGS. 4 and 5 of the present application.

Claims 1-11 and 13-22 are pending. Claim 12 is cancelled. New claims 13-22 are added above. No new matter is added by the amendments.

Claims 1-11 have been rejected under 35 USC 103(a) over U.S. Patent No. 4,093,869 (Hoffmann), in view of U.S. Patent No. 4,743,777 (Shilling). Applicants respectfully submit the following comments in support of the patentability of the Claims. Reconsideration of the rejections in view of the following remarks is respectfully requested.

#### **1. Claims 1-5:**

Claim 1 recites in part a number of DC salient poles and at least one alternating current (AC) salient pole both included in the stator core, wherein respective AC salient poles are disposed between adjacent DC salient poles. Claim 1 further recites at least one AC field winding, each AC field winding having at least one AC field coil disposed on at least one AC salient pole.

As noted on page 4 of the office action, Hoffman does not teach or suggest at least one AC salient pole included in the stator core, wherein respective AC salient poles are disposed between adjacent DC salient poles, as recited by Claim 1. Rather, as noted on page 3 of the Office Action, Hoffman uses air cores. Nor does Hoffman teach or suggest at least one AC field winding, each AC field winding having at least one AC field coil disposed on at least one AC salient pole, as recited by Claim 1. Rather, as discussed in paragraph 20 of the present application, AC field coils of the AC field winding 62 are each wound about an air core, as shown for example in FIG. 3 of Hoffman.

The Examiner cites Schilling to supply these deficiencies of Hoffman. Schilling is directed to a starter generator system with two stator exciter windings, and the

Examiner cites element 44 in FIG. 3 of Schilling. However, based on Applicants' undersigned representative's understanding of Schilling, Schilling expressly teaches away from the use of an exciter stator salient pole structure (see, for example, Col. 4, line 47-Col. 5, line 13, and more particularly, Col. 5, line 6-13).

For at least these reasons, Applicants submit that Claim 1 is patentably distinguishable over the cited art, either alone or in combination. Further, as claims 2-5 depend from Claim 1, these claims are also patentably distinguishable over the cited art for at least these reasons. In view of the above, Applicants respectfully request that the rejections of Claims 1-5 under 35 USC 103(a) be withdrawn.

**2. Claims 6-11:**

Claim 6 is directed to an electric machine and recites in part a stator member having a stator core, the stator core including a number of salient poles thereon, the salient poles including a number of direct current (DC) salient poles and at least one alternating current (AC) salient pole, wherein respective AC salient poles are disposed between adjacent DC salient poles. Claim 6 further recites at least one AC field coil disposed respectively on the at least one AC salient pole.

For the reasons discussed above with respect to Claim 1, Applicants respectfully submit that neither Hoffman nor Schilling, either alone or in combination, teach these recitations of Claim 6. Accordingly, Applicants respectfully submit that Claim 6 is patentably distinguishable over the cited art. Further, as claims 7-11 depend from Claim 6, these claims are also patentably distinguishable over the cited art for at least these reasons. In view of the above, Applicants respectfully request that the rejections of Claims 6-11 under 35 USC 103(a) be withdrawn.

**3. Claims 13-18:**

New claims 13-18 depend from Claim 1. Support for new claims 13-18 can be found, for example, in paragraph 30 (Claim 13), FIG. 4 (Claims 14 and 15), paragraph 29 (Claim 16), paragraph 31 (Claim 17) and paragraph 36 (Claim 18).

In addition to the reasons discussed above with respect to Claim 1, Applicants respectfully submit that the cited art does not disclose the additional recitations of Claims

13-18. Accordingly, Applicants respectfully submit that new claims 13-18 are patentably distinguishable over the cited art, and consideration of these claims is respectfully solicited

**4. Claims 19-22:**

New claims 19-22 depend from Claim 6. Support for new claims 19-22 can be found, for example, in paragraph 30 (Claim 19), FIG. 4 and paragraph 29 (Claim 20), paragraph 31 (Claim 21) and paragraph 36 (Claim 22).

In addition to the reasons discussed above with respect to Claim 6, Applicants respectfully submit that the cited art does not disclose the additional recitations of Claims 19-22. Accordingly, Applicants respectfully submit that new claims 19-22 are patentably distinguishable over the cited art, and consideration of these claims is respectfully solicited

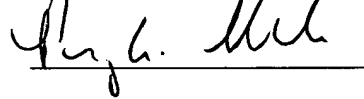
**CONCLUSION**

In view of the foregoing, Applicants respectfully submit that the application is in condition for allowance. Favorable reconsideration and prompt allowance of the application are respectfully requested.

**Please charge all applicable fees associated with the submittal of this Amendment and any other fees applicable to this application to the Assignee's Deposit Account No. 07-0868.**

Should the Examiner believe that anything further is needed to place the application in even better condition for allowance, the Examiner is requested to contact Applicants' undersigned representative at the telephone number below.

Respectfully submitted,



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